

STATE MEDICAL ASSOCIATIONS

This department contains official notices, reports of county society proceedings and other information having to do with the state associations and their component county societies. The copy for the department is edited by the state association secretaries, to whom communications for this department should be sent. Rosters of state association officers and committees and of component county societies and affiliated organizations, are printed in the directories noted under Miscellany, on the front cover index.

CALIFORNIA MEDICAL ASSOCIATION

CLARENCE G. TOLAND.....President
ROBERT A. PEERS.....President-Elect
EMMA W. POPE.....Secretary-Treasurer

COMPONENT COUNTY MEDICAL SOCIETIES

CONTRA COSTA COUNTY

The fourth meeting of the year of the Contra Costa County Medical Society was held on Tuesday evening, April 10, at the Hotel Carquinez, Richmond.

The meeting was turned over to Dr. Harry Ford, who served as chairman of the evening. He made remarks apropos of the especial qualifications of the two guest speakers who had kindly consented to come from San Francisco. The first subject was *Headaches—Demonstrable by Eye Examination* by Dr. Warren D. Horner. This was a most practical and helpful paper. The second paper was by Dr. Louis Morrison on *Foreign Bodies in the Bronchi, and Their Removal*.

Application for membership into the society was received from Dr. W. C. Monteverde of Pittsburg. Motion was made by Doctor Ford and seconded by Doctor Powell that he be accepted. The motion carried, unanimously.

Doctor Stauffer announced that the next meeting would be held on May 8 at Pittsburg.

The meeting was adjourned at 11:20 o'clock, after which the customary buffet luncheon was served.

The fifth meeting of the year, a midsummer dinner meeting, was held on Tuesday evening, May 8, at the Los Medanos Hotel, Pittsburg, and was attended by thirty-six members of the Contra Costa Society and of the Auxiliary.

Doctor Stauffer introduced Mrs. Fernandez of Pinole, president of the Auxiliary, and Mrs. Kerns and Mrs. Stauffer, who reported briefly upon the activities at the State Medical Association convention, as observed from the point of view of the Auxiliary.

Dr. Selby Marks, chairman of the evening, presented Dr. M. L. Tainter of Lane-Stanford Clinic. His subject was the all-absorbing topic of *Dinitrophenol*. His talk gave the experimental data of the long laboratory period, with the final conclusions relative to patients, and the results which may reasonably be expected from the use of that drug.

CLARA H. SPALDING, *Secretary*.

HUMBOLDT COUNTY

The Humboldt County Medical Society held its May meeting on the evening of the 17th at the Hotel Vance. Dinner, at which twenty-three members and two guests, Dr. Nathan Hale and Dr. Harold Zimmerman of Sacramento, were present preceded the meeting.

Dr. O. R. Myers presided. Doctors Stegeman and Myers reported the activities of the State Medical Association meeting; also that Doctor Myers had won the Golf Tournament.

Doctor Wallace made a report on the possibilities of Insurance for our local society. Doctor Norman made a report on Medical Jurisprudence as pertaining to the Association.

The paper of the evening, given by Doctor Hale, on *Urological Problems*, followed, after which Doctor Hale also showed a 1000-foot film of South Sea pictures taken by him on a recent cruise.

The next meeting will be held on the afternoon and evening of June 21, and will be a joint meeting of the medical and dental societies. There will be golf in the afternoon. A 6:30 dinner will precede the evening meeting. The paper of the evening, by Dr. George W. Pierce of San Francisco, will be on *Reconstructive Surgery*.
LAWRENCE A. WING, *Secretary*.

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MENDOCINO COUNTY

A regular meeting of the Mendocino County Medical Society was held at Ukiah on Wednesday, June 6, at 7 p. m., at the Saturday Afternoon Club House, Dr. Paul J. Bowman presiding. Before the regular program a joint dinner was held with the Woman's Auxiliary. Fourteen members of the Society and seven visitors were present.

Dr. William Voorsanger and Dr. Glenn Cushman of the Public Welfare League of California addressed the meeting on behalf of the Public Health League.

Following this it was agreed that a chapter of the Public Health League should be organized in Mendocino County. Dr. S. L. Rea was elected president, Dr. Paul J. Bowman, vice-president, and Dr. J. J. Kirwin, secretary.

The scientific program of the evening consisted of three reels of obstetrical films.

Upon the suggestion of Doctor Bowman, it was agreed that the next meeting would be held in Fort Bragg on some day in August.

RUDOLPH B. TOLLER, *Secretary*.

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ORANGE COUNTY

The regular monthly meeting of the Orange County Medical Association was held at the James Café in Santa Ana at 7 p. m. The occasion was a dinner meeting honoring two charter members who are still members of the local organization. It also celebrated the forty-fifth anniversary of the Association.

The men so honored were Dr. C. D. Ball and Dr. J. P. Boyd. Doctor Violet acted as master of ceremonies, and in a brilliant speech paid suitable honor not only to these two men, but to the ladies of their families. Doctors Burlew, H. Johnston, and Maroon also paid tribute to these men.

Dr. Francis Findlay and Dr. C. Kohlenberger were unanimously elected to membership. The first reading of the application of Dr. Donald Abbott was heard.

Dr. C. D. Ball requested that the picture of the charter members, which now hangs in the attic of the library, be transferred to the Orange County Historical Society. On motion the request was granted.

Doctor Yeagle read a news item from the Santa Ana Register stating that Doctor Grover, D. C., was having a three-day clinic, and the chief chemist of the Mulford Company was to be present. The secretary was instructed to correspond with the Mulford Company to find out the details. The secretary read a communication from Gorden Bisel regarding a recent news item.

Dr. C. D. Ball read the obituary of Dr. Herbert Miller Robertson, who passed away on June 1. The

obituary was ordered filed with the minutes, and a copy sent to the State Association.

The scientific program of the evening was in charge of Dr. J. J. Montanaus, who presented a case of testicular tumor and demonstrated the autopsy findings.

WALDO S. WEHRLY, *Secretary*.

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SACRAMENTO COUNTY

A regular meeting of the Sacramento Society for Medical Improvement was held on the evening of April 17 at the Elks Temple. The president, Dr. O. F. Johnson, called the meeting to order at 8:30 o'clock. Ninety-two members were present.

The paper of the evening, *Angina Pectoris and Coronary Occlusion*, was read by Dr. Harold P. Hill, clinical professor of medicine at the University of Stanford Medical School.

In the course of his paper he brought out four important facts. First, he pointed out history as most important. Angina is not a disease, but a symptom. Angina pectoris is due to sclerosis of the coronary arteries, but the lack of pain in certain cases when there is extreme sclerosis of these arteries cannot be explained. He compared the pain of coronary occlusion with that of angina pectoris. Coronary occlusion pain, he pointed out, lasts longer than one-half hour. Sometimes this pain is abdominal in type.

The second important fact is examination. A distant first sound is occasionally found. Many cases, however, show no change in heart sounds. He explained that an increase in heart rate is more common than a decrease in coronary occlusion. An increase in heart rate is a bad prognosis. A drop in blood pressure is fairly constant in coronary occlusion. Eight to twenty-four hours later these cases run a temperature of 100 to 103 degrees, and have a leukocyte count 12,000 to 18,000. Pericardial friction rub, most often heard in the nipple line, is almost pathognomonic and lasts a short time.

The etiology is unknown. Factors that cause these diseases are:

1. Arteriosclerosis.
2. Worry and fatigue.
3. Physical strain.

Some interesting cases were related.

The treatment does not consist of medicine altogether, but

1. Bed rest (one month to three months).
2. Nitroglycerin, which controls the substernal type of pain.
3. Bromids.
4. Digitalis in failing compensation and falling blood pressure.
5. Morphine, one-quarter grain, every fifteen minutes until relieved.
6. Oxygen if cyanotic. Best used only in a tent.
7. Theobromine with luminal.
8. Caffeine and strychnine are the best heart stimulants.
9. Atropine sometimes is a life-saver when there is edema of the lungs.
10. Adrenalin, about one-half cubic centimeter, whenever necessary.

Appreciation for the paper was voiced by Doctors Peers, Gundrum, Reardan, Lindsay, Pulford, Empey of Roseville, Bert Thomas, and Scribner.

Announcements of the state and northern district meetings were made.

Doctor Hale gave a talk urging that members of the Society support the Chamber of Commerce of Sacramento.

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A special meeting of the Sacramento Society for Medical Improvement was called to order by the president, Dr. Oscar F. Johnson, the evening of May 3 at the Elks Temple. Some 148 doctors were present, including many visiting physicians from northern California counties.

The paper of the evening, *Chronic Arthritis*, was delivered by Dr. Russell L. Cecil, associate professor of medicine at Cornell University. In his paper he discussed and differentiated osteo-arthritis and infectious arthritis. Doctor Cecil's paper was clearly illustrated by lantern slides. The paper closed with a discussion of the treatment which may be briefly outlined as follows:

A. Osteo-arthritis treatment:

1. Make patient rest.
2. Reduce weight. Low starch. Low sugars.
3. Thyroid if basal metabolism is low.
4. Massage. Not to be used in infectious forms.

B. Rheumatoid arthritis treatment:

1. Mild sluggish early form (duration, six months to one year).
 - (a) Remove foci of infection.
 - (b) Rest treatment, as in tuberculosis.
 - (c) Tonics (iron and arsenic).
 - (d) Vaccine. Streptococcus vaccine, 50,000 intravenously in one dose.
 - (e) Diet. Low starch and low carbohydrate. If patient is underweight, increase fat and protein. Vitamins A, B, C, and D.
 - (f) Baths and heat.
 - (g) Drugs. Gold thiocyanate may be good.
 - (h) Elimination.
2. Active febrile stage: Typhoid vaccine.
3. Well established and old form: Sanatorium care.

The paper was discussed generally, and many questions were graciously answered by Doctor Cecil.

FRANK W. LEE, *Secretary*.

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SAN JOAQUIN COUNTY

The regular monthly meeting of the San Joaquin County Medical Society was held in the Medico-Dental clubrooms on June 7. The meeting was called to order at 8:30 p. m. by Dr. P. B. Gallegos.

The applications for membership in the San Joaquin County Medical Society of Doctors G. C. Richardson of Sonora and E. W. Thomas of Stockton were read and referred to the Admissions Committee for their action.

Dr. Dewey Powell reported on a meeting held between the Public Relations Committee and a committee from the Woman's Auxiliary of the San Joaquin County Medical Society concerning the advisability of medical broadcasts. He stated that the Woman's Auxiliary wished to have a series of broadcasts in conjunction with the Parent-Teacher Association and the School Board, and requested that the society give the Public Relations Committee authority to formulate plans and work with the Woman's Auxiliary; and that these plans be presented to the Medical Society at the September meeting before any definite action is taken. The request was granted.

The scientific program of the evening was opened by Dr. William R. Rogers, who spoke on the *Surgical Treatment of Pulmonary Tuberculosis*. Doctor Rogers demonstrated several cases and illustrated his talk with x-ray pictures. The paper was discussed by Dr. T. C. O'Conner. The second paper of the evening was given by Dr. William Faber of San Francisco, who discussed *Recent Developments in Poliomyelitis*. This was discussed by Doctors Sippy, True, City Health Officer of Sacramento; Powell, County Health Officer of Contra Costa County; D. Powell, P. Dieffenbacher, S. F. Priestley, F. J. Doughty, Satour of Sacramento, Sanderson, Chapman, and Barnes.

Dr. Dewey Powell delivered a eulogy on Dr. L. R. Johnson. Dr. W. W. Fitzgerald also spoke on the death of Doctor Johnson, and moved that the society be adjourned in his honor.

The meeting was adjourned at 11:30 and refreshments were served.

G. H. ROHRBACHER, *Secretary*.

SANTA BARBARA COUNTY

The regular monthly meeting of the Santa Barbara County Medical Society was held on June 11 in the Bissell Auditorium of the Cottage Hospital.

This was a joint meeting of the County Medical Society and the Woman's Auxiliary of the County Medical Society.

The president, Doctor Markthaler, presided at the meeting and introduced the speaker of the evening, Dr. George Parrish, health officer of Los Angeles City. Doctor Parrish gave a most interesting talk on *The Conquest of Disease*.

At the conclusion of the meeting the ladies met in an adjoining room, and the county society went into executive session.

Doctor Gray reported for the Committee on Medical Economics and the Costs of Medical Care.

After discussion by various members of the society, it was moved, seconded and unanimously carried, that the report be adopted. Regarding the appointing of a governing board, it was moved, seconded and carried, that this same Committee on Medical Economics and the Costs of Medical Care be appointed the governing board, with power to administer the affairs of the Bureau, to review cases regularly, and to receive and dispense moneys incident to the operation of the Bureau; Doctor Gray to be chairman of the Board.

Doctor Markthaler reported that a new social worker had been obtained for the county dispensary.

It was moved, seconded and carried, that the county society take a vacation from regular meetings until September.

WILLIAM H. EATON, *Secretary*.

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SOLANO COUNTY

The regular monthly meeting of the Solano County Medical Society was held at the Hotel Casa de Vallejo on Tuesday evening, June 12, at eight o'clock.

This meeting was held jointly with the members of the Contra Costa County Medical Society. Forty-two members and guests of both societies attended. The meeting was preceded by a dinner.

Immediately following the dinner, Dr. William C. Voorsanger of San Francisco, president of the Public Health League of California, spoke on the functions and activities of this organization and strongly urged a 100 per cent membership in both counties.

Dr. Edward A. Peterson, city health officer in Vallejo, led a discussion on poliomyelitis. This topic was especially timely because of the fact that there are a number of suspicious cases of poliomyelitis in this section of the state. Doctor Peterson outlined the work that should be done in the event of any outbreak of the disease. His remarks were supplemented by Dr. Dwight Murray, city health officer of Napa, and by Dr. Harry Oliver of San Francisco.

The society went on record as wishing to coöperate 100 per cent with local and state health societies in the prevention of any outbreak of poliomyelitis. A committee, consisting of Dr. Edward A. Peterson (chairman), Commander C. W. Ross of the Mare Island Naval Hospital, Doctors Robert Dempsey, D. B. Park and A. J. Ryan of Vallejo, and Dr. S. G. Bransford of Suisun, was appointed on the problem of poliomyelitis to assist in stamping out any outbreak of this disease in Solano County.

Dr. P. B. Fry of Benicia, Solano County delegate to the State Medical Association convention at Riverside, gave a complete report, which was well received by the members.

The first speaker on the stated program of the evening was Dr. William C. Voorsanger of San Francisco, who spoke on *Tuberculosis in Children*. He stressed the early diagnosis and treatment of tuberculosis in youngsters, and illustrated his lecture with lantern slides.

Dr. Fred R. Fairchild, chief surgeon of the Woodland Clinic, presented the second paper of the evening, on *Appendicitis*. In his talk Doctor Fairchild gave a critical analysis of some one thousand cases of appendicitis at the Woodland Clinic, stressing the results

and clinical lessons learned from this vast number of cases. His talk was, likewise, supplemented by lantern slides of interesting facts and figures in connection with the critical analysis.

Following the delivery of these papers there was considerable discussion by the members.

Special guests of the evening were: Dr. James J. Hogan, retired physician in Vallejo and one of the oldest members of the Solano County Medical Society; Doctors Judson Sale, Victor Dillon, Harry Oliver and M. Wayburn of San Francisco, and Doctor Railsback of Woodland.

On Tuesday evening July 10, the members of the Solano and Napa County Medical Societies will hold a joint dinner meeting at the Napa Country Club. Doctors Edmund Butler and Howard Naffziger of San Francisco will be the guest speakers of the evening.

AMBROSE J. RYAN, *Secretary*.

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SONOMA COUNTY

The Sonoma County Medical Society held its June meeting at the El Camino Restaurant in Santa Rosa on the 14th. Thirty-five members were present.

Dr. W. E. Carter of the University of California Hospital told of the services offered to the medical profession of the state at that institution.

Dr. Howard Fleming of San Francisco gave an illustrated paper on the *Early Recognition of Cord and Brain Tumors*.

Dr. Alson R. Kilgore of San Francisco spoke upon the subject, *Things Confronting the Medical Profession*. It was a wonderfully fine program, and approved by all present. Considerable discussion followed.

Dr. D. J. Mahan of Santa Rosa was voted a retired membership in the society. A committee was appointed, with one representative in each town to keep the medical profession posted on the poliomyelitis situation.

W. C. SHIPLEY, *Secretary*.

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TULARE COUNTY

The Tulare County Medical Society held its monthly meeting at Motley's Café on May 20.

Dr. Charles M. Matthias of Tulare was unanimously elected to membership in the society.

Dr. Elmo Zumwalt, Tulare County Health Officer, brought up the subject of vaccination and diphtheria immunization for discussion. He reported the activities of the Tulare County Parent-Teacher Association in the diphtheria immunization campaign of 1933, and said that at the present time the Parent-Teacher associations have come to him to consider the feasibility of smallpox vaccination by a similar campaign method. Doctor Zumwalt asked for comment. General discussion followed by the members in attendance. Almost unanimous objection was raised against such a county-wide program of free public clinic vaccination.

Doctor Lipson made a motion that the society appoint a committee to confer with the city and county health officers to work out a plan for vaccination. This was seconded by Doctor Guido, and carried. Doctor Fowler appointed Doctors Lipson and Guido to report on this matter.

Dr. Frank Kohn made a report of his attendance as a delegate to the 1934 California Medical Association convention at Riverside. He gave an interesting account of the discussions in the House of Delegates and submitted the report of a proposed plan of hospital insurance.

Dr. Ray Rosson gave a brief report on a few of the scientific papers which interested him most, including one on *Industrial Back Injuries* and Chester Rowell's address on *Social Insurance*.

Dr. Edgar Brigham of Dinuba gave an interesting and instructive paper, illustrated by lantern slides, on *General Principles of Hydrotherapy*. He discussed methods of application and physiological effects of heat and cold applied to various parts of the body. It was followed by a general discussion, including some examples of the clinical application of hydrotherapy.

KARL F. WEISS, *Secretary*.

CHANGES IN MEMBERSHIP

New Members (39)

Alameda County.—Anah C. Wineberg.

Los Angeles County.—

Claire N. Brownsberger	William A. Marmor
Cyril B. Courville	Orvie D. McCartney
Ralph G. Dryer	Fred C. Nichols
John O. Eiler	Paul Nilsson
W. L. Halverson	Shigeichi Okami
P. F. Haskell	John B. Peterson
Sara M. Kiser	Maurice N. Rosenberg
Romeo J. Lajoie	Yudell K. Slocum
Neil H. Lewis	Egberg C. Stratford
Donald S. MacKinnon	James E. Thompson
Samuel M. Marcus	

Orange County.—Francis M. Findley, Charles F. W. Kohlenberger.

San Bernardino County.—Harold R. Miller.

San Francisco County.—Elizabeth Arthurs, Alexander B. Bigler, Samuel F. Boyle, Marius A. Francoz, David O. Harrington, Albert L. Leveton, Carleton Mathewson, Jr., Clayton D. Mote, Newton H. Shapiro.

San Joaquin County.—Verne R. Ross.

Santa Clara County.—August Reich, Ethel Mae Shaull.

Siskiyou County.—James B. McGuire, Harry R. McVicker.

Transferred (7)

C. S. Ambrose, from Los Angeles County to Illinois.
Joseph W. Dasset, from Los Angeles County to Merced County.

Vincent P. Flynn, from Los Angeles County to Alameda County.

Richard B. McGovney, from Los Angeles County to Santa Barbara County.

H. C. Morrison, from Los Angeles County to Oklahoma.

Richard K. Pierce, from Los Angeles County to Alameda County.

George T. Pomeroy, from Los Angeles County to Napa County.

Resigned (1)

Arthur Perkins, from Alameda County.

In Memoriam

Conrad, Alexander Holland. Died at Val Verde, May 10, 1934, age 34. Graduate of the University of Michigan Medical School, Ann Arbor, 1932, and licensed in California the same year. Doctor Conrad was a member of the Riverside County Medical Society, the California Medical Association, and the American Medical Association.

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Holmes, Thomas Blakeney. Died at Oakland, May 12, 1934, age 68. Graduate of the University of California Medical School, 1894, and licensed in California the same year. Doctor Holmes was a member of the Alameda County Medical Association, the California Medical Association, and a Fellow of the American Medical Association.

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Jacobs, William Roscoe. Died at Sacramento, May 20, 1934, age 48. Graduate of Cooper Medical College, San Francisco, 1910, and licensed in California in 1911. Doctor Jacobs was a member of the Los Angeles County Medical Association, the California Medical Association, and a Fellow of the American Medical Association.

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Johnson, Llewellyn Roberts. Died at San Francisco, May 26, 1934, age 52. Graduate of Cooper Medical College, San Francisco, 1903, and licensed in California the same year. Doctor Johnson was a member of the San Joaquin County Medical Society, the California Medical Association, and a Fellow of the American Medical Association.

Lockwood, Sheridan Alfred. Died at National City, May 29, 1934, age 60. Graduate of the American Medical Missionary College, Chicago, 1900. Licensed in California in 1901. Doctor Lockwood was a member of the San Diego County Medical Society, the California Medical Association, and the American Medical Association.

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Richards, Robert Lewis. Died at Montecito, May 26, 1934, age 65. Graduate of the Medical College of Ohio, 1894. Licensed in California in 1901. Doctor Richards was a member of the Santa Barbara County Medical Society, the California Medical Association, and a Fellow of the American Medical Association.

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Robertson, Herbert Miller. Died at Santa Ana, June 1, 1934, age 61. Graduate of Atlantic Medical College, Baltimore, 1897. Licensed in California in 1901. Doctor Robertson was a member of the Orange County Medical Association, the California Medical Association, and a Fellow of the American Medical Association.

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Ryfkogel, Henry Anthon Lewis. Died at San Francisco, June 11, 1934, age 61. Graduate of the University of California Medical School, 1894, and licensed in California the same year. Doctor Ryfkogel was a member of the San Francisco County Medical Society, the California Medical Association, and a Fellow of the American Medical Association.

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Wagner, Carl Richard. Died at Pasadena, June 8, 1934. Graduate of Rush Medical College, Chicago, 1921. Licensed in California in 1927. Doctor Wagner was a member of the Los Angeles County Medical Association, the California Medical Association, and a Fellow of the American Medical Association.

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Wallace, Edward Lee Roy. Died at Los Angeles, June 7, 1934, age 59. Graduate of the California Eclectic Medical College, Los Angeles, 1897, and licensed in California the same year. Doctor Wallace was a member of the Los Angeles County Medical Association, the California Medical Association, and a Fellow of the American Medical Association.

OBITUARIES

Robert Lewis Richards
1869-1934

In the small hours of the morning of May 25, Robert Lewis Richards died in Los Angeles, in his sixty-fifth year.

Born at New Lexington, Ohio, December 10, 1869, the son of Dr. Alva and Katherine Huston Richards, he was educated at Delaware University and received his medical education at the Medical College of Ohio, in Cincinnati, graduating with the class of 1894. In 1900, he married Marie B. Hatton.

He soon interested himself in the study of neuropsychiatry and worked extensively under such masters as Oppenheim in Berlin, Kraepelin in Munich, and Jung in Zurich. In 1902, he returned to enter the United States Army, induced by his interest in the psychiatric cases of the soldiers returning from the Philippines, and was the first officer to introduce psychiatry into the medical department of the United States Army at St. Elizabeth's Hospital in Washington, D. C. He later inaugurated the psychiatric service at San Francisco Presidio, and served in the Philippines and Cuba, resigning in 1912 to accept the superintendency of the Mendocino State Hospital where, during the late war, he again served, supervising the psychiatric service on the Pacific Coast and training members of the medical corps at Mendocino prior to their assignment to active duty.

From 1921 to 1930 he practiced privately in San Francisco and Oakland, in the latter year being appointed physician in charge and consultant to Mr.

Stanley McCormick in Santa Barbara, in which service his last illness overtook him. Interment will be at Arlington, Virginia, in the National Cemetery.

Doctor Richards was capable, honest, a gentleman. The medical profession of California has lost an outstanding member, the people, a valued servant.

WILLIAM H. STRIETMANN, M. D.



Herbert Miller Robertson 1873-1934

Doctor Robertson, for many years in active practice in Santa Ana, after a lingering illness passed away on June 1, 1934. He was born in Glasgow, Scotland, April 22, 1873, and educated in the public schools of Manchester, England, and in the University of Glasgow, Scotland. He received his degree of doctor of medicine from the Southern Medical College, Baltimore, Maryland, in 1897, and engaged in a general practice in Detroit till 1901.

In 1894 he married Mary L. Baldwin; she and four daughters survive him.

He brought his family to Riverside that same year, and there remained until 1909, when Santa Ana became his home. While in Riverside he served as county physician four years, 1905-1909.

Doctor Robertson obtained his California license to practice in 1901. Shortly after coming to Santa Ana he was admitted to the Orange County Medical Association, of which he was president in 1930. He was a member of the California Medical Association and a Fellow of the American Medical Association.

During the Great War he served as examining physician on the Santa Ana Draft Board. On April 8, 1926, he was appointed on the Board of Medical Examiners for the State of California and reappointed in 1930, showing that his work there was fully appreciated. At one time he was president of the Southern California Homeopathic Medical Society.

With the passing of Doctor Robertson the profession lost a brilliant, energetic worker who will be greatly missed by his family and his many patients and friends.

C. D. BALL, M. D.

C. M. A. DEPARTMENT OF PUBLIC RELATIONS*

The Growth of Free Medical Care in San Diego Since 1920†

By J. TERRELL SCOTT, M. D.

San Diego County maintains the following principal divisions dealing in the treatment and prevention of disease:

1. County Hospital Main Building.
2. Vaulain Tuberculosis Sanitarium.
3. The Psychopathic Hospital.
4. The Neighborhood House, serving chiefly a Mexican population.
5. The Tuberculosis Dispensary.
6. The Venereal Clinic.

The first three divisions are under the supervision of the superintendent of the County Hospital; the other divisions are under the supervision of the Director of Public Health. In addition there are four permanent Child Hygiene Conference Centers in the Euclid, Fremont, Stockton, and Washington School Districts, supervised by the Director of Public Health; and there is the medical division of the City Police Department handling emergencies.

My purpose is to trace the growth of these institutions and to estimate the proportion of the population of the county being served by the free clinics of the county.

* An open forum for progress notes on the department's activities and for brief discussions on medical economics. Correspondence and suggestions invited. Address Walter M. Dickie, Room 2039, Four Fifty Sutter Street, San Francisco. This column is conducted by the Director of the Department.

† Read before the San Diego County Hospital staff May 22, 1934.

The most important division in the number of cases treated is the County Hospital, which handled in 1933 about 80 per cent of the people served by the county clinics. The statistics available for the out-patient department of the County Hospital are accurate back to the year 1921, and from the figures available for September, 1920, when 528 cases were treated, the number of cases treated in 1920 can be closely estimated. The admissions to the County Hospital, including Vaulain Home, are available back to 1924, when 3,564 admissions are reported. In December, 1920, there were 140 admissions from which the figures for the year 1920 may be estimated. The Psychopathic Hospital was added in the fiscal year 1926-27.

From this data the following figures are given, the year 1920 being estimated:

Fiscal Year	Hospital	Emergencies (e)	Out Patient Dept.*	Total Patients (e)
1920	2,000 (e)	1,100	8,000 (e)	4,900
1921	2,700 (e)	1,500	11,451	6,720
1924	3,564	2,500	14,253	8,750
1927	6,337	2,600	13,160	10,867
1930	7,206	3,800	26,731	16,582
1933	7,640	4,200	33,868	19,480
1934 (e)	8,000	4,400	34,000	19,944

e—estimated.

*—calendar year.

In estimating the total number of patients treated allowance has been made for cases treated in both the out-patient department and the hospital to avoid a duplication of figures—about one-third of the hospital cases come through the clinic. The emergency and clinic figures represent treatments and not patients and these figures have been divided by three, as it is estimated that the average number of calls per patient is around three. We note that the increase in the number of hospital cases has been held down since 1930, and the patients shifted to the out-patient department.

The County Venereal Clinic was started in 1919. In 1933 there were 1,059 new cases treated and 1,610 persons were treated in all. There were 5,721 treatments given—an average of over twenty a day. This clinic has increased enormously since 1923 when approximately one-fifth as many cases were treated. There were 219 new cases in 1923 compared with 1,059 in 1933.

Immunization was started by the Health Department in 1926, and in the following six years the Department did 20,000 immunizations. In 1932, 5,900 immunizations were accomplished.

Neighborhood House was started in 1912, and reports the following cases treated for 1932:

Gynecology cases	821
Sick babies	1,454
Prenatal clinic cases	292
First aid treatments	1,204
Emergency visits	1,285
Tonsillectomies	105

Total cases 5,161

Assuming that the average patient will call three times during the illness, this represents a health service to approximately 1,700 individuals. One-half of the persons served have been Mexican and negro.

The Tuberculosis Dispensary was started in 1908. The number of cases treated has shown a marked increase during the past four years—estimated at close to 100 per cent. According to the nurse in charge, the number of cases now being treated is about the same as last year, and has shown no noticeable increase for the past four months. In 1932, 1,863 individuals attended the clinic, of whom 1,536 were examined, 933 were referred to the County Hospital and 89 children were sent to the children's preventorium. The number of cases seen who were not sent to the County Hospital was 930.

The estimated number of individuals treated by these three divisions of the Public Health Department is as follows—the 1932 figures are closely estimated, the 1920 and 1934 figures are roughly estimated:

	1920	1932	1934
Venereal clinic	250	1,610	1,800
Neighborhood house	500	1,700	1,900
Tuberculosis dispensary (not referred to county hospital)	350	930	950
Total	1,100	4,240	4,650

The estimated number of individuals served by both the County Hospital and the Public Health Department may now be combined and the following table presented—an estimate sufficiently accurate for the purpose of comparison, even though the fiscal year for the County Hospital ends June 30 while the statistics from the health department are for the calendar year.

ESTIMATED NUMBER OF INDIVIDUALS TREATED

	County Hospital	Health Department	Total*
1920	4,900	1,100	5,890
1924	6,720	1,800	8,340
1927	10,867	2,600	13,207
1930	16,582	3,450	19,687
1934	19,944	4,650	24,125

* After deducting 10 per cent from Health Department figures to allow for duplication.

The population of San Diego County in 1920 was 112,282, and by 1930 the population had increased 95 per cent to 209,659. According to the statisticians of the San Diego Consolidated Gas and Electric Company, there has been no noticeable increase in the population since 1930. However, from 1930 to 1934 the average daily attendance at the city schools of San Diego increased from 22,373 to 25,470 or 14 per cent. The population of the city of San Diego for 1930 was 147,995 and the population of the adjoining cities of Coronado, La Mesa, National City, Chula Vista and El Cajon was 20,158, giving Metropolitan San Diego a population of 168,153 compared to 83,957 in 1920, an increase of 100 per cent. The estimated population for 1934 is 190,000.

NUMBER OF NAVAL DEPENDENTS

What proportion of the civilian population of Metropolitan San Diego are naval dependents? This is a difficult question to answer, and only an approximation of the number of naval dependents residing in San Diego can be given. The following estimates were obtained from the Eleventh Naval District Commandant's office, from the clerk of the Commissary Store, from the head of the out-patient department of the United States Naval Hospital, and from the San Diego Chamber of Commerce. There were on January 1, 1934, 20,000 enlisted men in the Navy stationed in San Diego, two-thirds of whom are stationed on boats in the harbor. Probably 25 per cent of these men are married and have their families residing in San Diego. Assuming such to be the case, and an average of 3.3 individuals per family, this would mean 16,500 people. In addition there are over one thousand retired naval men with families, representing about 3,500 people. These, together with 15,000 unmarried men, represent a population of 35,000. The commissary department estimates from the number of requisition cards issued, a population of 30,000. It is thought that over 3,000 homes and apartments are rented by navy men in San Diego proper. It is safe to conclude that at least 20,000 civilians residing in San Diego are naval dependents, or are dependents of navy men now retired. These residents are included in the 1930 census figures but are taken care of by the United States Naval Hospital and the Navy physicians. Subtracting these figures from the population of Metropolitan San Diego will leave a civilian population of 170,000 who are cared for by the county and the private physicians. It is difficult to arrive at a corresponding figure for 1920. However, the active personnel of the Navy on Shore Duty in the San Diego district for 1923 is given as 3,646, compared to 6,300 January 1, 1934. The active personnel was probably around 7,500 men in 1920, or approximately 40 per cent of the present number.

For the purpose of comparison we may estimate roughly that the number of naval dependents residing in San Diego in 1920 was about 8,500, which, subtracted from the 1920 population, will leave a population of about 75,500 civilians cared for by the county and the private physicians.

THE NORMAL INCIDENCE OF SICKNESS

What is the incidence of sickness in the average community? How many are sick at a given time and

how many will be sick during the year? According to the studies of the Committee on the Cost of Medical Care, 2 per cent of the population are sick all the time, and the average illness lasts 8.3 days. (Peebles '29.) Sydenstricker made a survey of illness for the town of Hagerstown, Maryland, in 1921. According to his report, 3.2 per cent of the wealthy and 4 per cent of the poor were ill during the month of December, 1921, out of 1,800 households. For the three years 1921, 1922 and 1923, there was an average of 5,740 cases of illness of three days or more duration among a population of 29,000. This represents 20 per cent of the population. If all illnesses of one or more days are taken, probably 25 per cent of the population would be affected.

Assuming such to be the case, the number of people being cared for medically by San Diego County represents 25 per cent of those eligible. The following figures show the estimated number of people who, when ill, will attend the county clinics, from Metropolitan San Diego and the ratio this leaves to the civilian population other than naval dependents.

Year	Total Cases Treated (25% of those eligible)	No. of Residents Eligible from Metropolitan San Diego*	Population of Metropolitan San Diego (other than naval)	Percent Having Free Medical Care
1920	5,890	22,380	75,500	30%
1924	8,340	31,700	-----	-----
1927	13,207	50,200	125,000	40%
1930	19,687	74,600	148,153	50%
1934	24,129	91,670	170,000	54%

* Five per cent has been deducted for the population served for outlying districts of the county.

In 1920 it is estimated that 30 per cent of the population of Metropolitan San Diego, *other than naval*, was being served by the county clinics, 7½ per cent of the population being actually treated for illness. By 1934 it is estimated that 54 per cent of the population is being served by the county.

CLINICS OTHER THAN COUNTY CLINICS

Mercy Hospital, which is the largest private hospital in the county, started a part-pay clinic in January, 1933. A charge of 50 cents is made per visit, the hospital retaining one-half. For the year 1933 there were 456 visits to the clinic made by approximately 150 individuals. The Mercy Hospital Clinic, which is practically a charity clinic, is thus drawing from about 600 residents.

The Central Clinic was started in January, 1933. It is not a treatment clinic, but a central bureau for social service investigation and for referring patients to the private physicians, the hospitals and the clinics with recommendations as to fees. For the year 1933 the Central Clinic referred 617 cases to physicians on a part or full pay basis.

If we estimate that these patients pay an average of 50 per cent of the full fee, then this plan would be equivalent to a loss of 308 cases by the private physicians of the county drawing from 1,234 people.

NUMBER OF PEOPLE PER PHYSICIAN IN PRIVATE PRACTICE

The number of registered physicians in San Diego County in 1921 was 251. In 1925, 296, and in January, 1934, 402. The estimated number of physicians for 1920 is 240. At the present time 11 per cent of all registered physicians are residing in the outlying districts, and 89 per cent in the metropolitan district. Assuming these proportions to have held in 1920, we have:

Year	Registered Physicians in Metropolitan San Diego	Residents not Eligible to County or Federal Aid	Residents Per Physician
1920	216	53,100	246
1934	376	78,330	200*

* After deduction of 600 on account of Mercy Hospital Clinic, and 2,500 representing those served by the Central Clinic.

The classification of the people in Metropolitan San Diego, according to the medical service received,

or rather their eligibility for receiving such service, may now be estimated as follows:

	1920	1934	
Served by County Hospital and Public Health Department (of whom 18,640 were receiving county and state aid January 20, 1934).....	25.5% 22,400	92,000	46. %
Resident naval personnel including dependents.....	10. % 8,500	20,000	10. %
Non-resident naval personnel (floating).....	4.5% 4,000	10,000	5. %
Served by Central Clinic.....	2,500	1.2%
Served by Mercy Hospital Clinic	600	.3%
Served by private physicians on full-fee basis	60. % 53,100	75,000	37.5%
Total	100. % 88,000	200,100	100. %

CONCLUSIONS

1. The resident population of Metropolitan San Diego has increased from 1920 to 1934 from 84,000 to 190,000 (126 per cent).

2. The number of registered physicians in the same period has increased from 216 to 376 (75 per cent).

3. The number of residents cared for by the county has increased within the same period from 22,000 to 92,000 (420 per cent); these figures being an estimate.

4. As a result of this enormous increase of free medical care by the county, the per cent of the total population supporting the private physicians has declined in the past fourteen years from 60 per cent to 38½ per cent.

5. Most of the increase in the use of free county clinics has occurred before the present economic depression—the rate of increase has been less since the depression than it was preceding the depression.

SOURCES OF INFORMATION

Report of the superintendent of the San Diego Hospital, 1933.

The files of the San Diego County Hospital outpatient department.

Annual report of Public Health Department of San Diego, 1932.

Sydenstricker, "The Extent of Medical and Hospital Service in a Typical Small City," Public Health Reports, Vol. XLII, No. 2.

Sydenstricker, "Economic Status and the Incidence of Illness," quoted in *Monthly Review*, November, 1929.

Commandant's Office, Eleventh Naval District.

San Diego city schools—superintendent's office.

San Diego County Welfare Commission.

—*Bulletin of the San Diego County Medical Society*, June 1, 1934.

THE WOMAN'S AUXILIARY TO THE CALIFORNIA MEDICAL ASSOCIATION*

MRS. PHILIP SCHUYLER DOANEPresident
MRS. ELMER BELT.....Editor and Chairman of Publicity

The Annual Election.—For the year 1934-1935 the officers and directors of the Woman's Auxiliary to the California Medical Association elected at the annual convention held at Riverside this May are: President, Mrs. Philip Schuyler Doane of Pasadena; president-elect, Mrs. Thomas J. Clark of Oakland; first vice-

* As county auxiliaries to the Woman's Auxiliary to the California Medical Association are formed, the names of their officers should be forwarded to Mrs. A. Elmer Belt, chairman of the Publicity and Publications Committee, 2200 Live Oak Drive, Los Angeles. Brief reports of county auxiliary meetings will be welcomed by Mrs. Belt and must be sent to her before publication takes place in this column. For lists of state and county officers, see advertising page 6. The Council of the California Medical Association has instructed the editor to allocate one page in every issue for Woman's Auxiliary notes.

president, Mrs. William H. Sargent of Oakland; second vice-president, Mrs. Charles E. Howard of San Diego; recording secretary, Mrs. H. E. Henderson of Santa Barbara; corresponding secretary, Mrs. H. Waldo Spiers of Los Angeles; treasurer, Mrs. Frederick N. Scatena of Sacramento.

Mrs. John V. Barrow of Los Angeles, Mrs. Frank Baxter and Mrs. Robert T. Sutherland, both of Oakland, and Mrs. Arthur W. Walker of Riverside are the four councilors-at-large, and Mrs. William H. Newman of San Diego, Mrs. Elmer Belt of Los Angeles, Mrs. Charles Stevens of Santa Barbara, Mrs. Percy B. Gallegos of Stockton, Mrs. U. S. Abbott of Richmond, Mrs. J. Howard Hall of Sacramento, and Mrs. Raymond Babcock of Willits are the seven district councilors.

* * *

Helen Doane Membership Trophy.—At the luncheon given in her honor in the patio of the Mission Inn on the closing day of the convention the incoming president, Mrs. Philip Schuyler Doane, presented to the State Auxiliary a fine, silver trophy in the form of a large vase. This is to be awarded annually to the county auxiliary making the greatest pro rata gain in membership during the year. To Santa Barbara County goes the honor of the first victory and to Mrs. John Van Paing, its presiding officer, the trophy was given to have and to hold until next May. At the 1935 convention, which is to be in Yosemite, membership lists will again be tallied and the award made.

* * *

New State President Honored.—Not only the members from the far corners of her own county, but those from three other counties as well, came to the Midwick Country Club on a fine May day, the 22nd, to the celebration in honor of Mrs. Philip Schuyler Doane, president of the Woman's Auxiliary to the California Medical Association. Mrs. Doane's own city, Pasadena, and its near neighbor, South Pasadena, were hostesses for the day, with Mrs. Harry Markoff in charge of arrangements. Mrs. John V. Barrow, the Los Angeles County president, presided at the speaker's table, and had invited for the occasion the presidents of the outstanding women's organizations of the city.

The dining room and all the adjacent sun rooms of the Midwick were filled with tables and merry guests for the luncheon. Mrs. Barrow presided with friendly dignity, and in a clear-cut speech outlined the aims of the Auxiliary for the benefit of the many new guests there, and then introduced them and the officers to the assembled members. Mrs. Louise Ward Watkins spoke with clarity and force upon some pressing civic problems. Mrs. B. S. Lewis told of her impressions of this, her first, contact with our organization and of our president's "million-dollar" personality. Mrs. F. E. Coulter, long a close friend and co-worker, paid a fine, warm tribute to "Helen Doane of Pasadena." Mrs. James F. Percy lighted up the past with a few minutes on the perils of pioneering days in the Auxiliary, and predicted a promising future under Mrs. Doane's leadership. Two of the Auxiliary daughters made a bow, Miss Mildred Schwuchow, whose harp selections added so much enjoyment to the program, and Dolly Doane Hubbard, the lovely daughter of the president, who describes her as her chief accomplishment. Among the messages of greetings and congratulations was a telegram from the state treasurer, Mrs. Frederick N. Scatena of Sacramento. Mrs. Barrow called last upon the guest of honor, who stood through a cheering burst of applause before she could be heard in her sparkling and apt replies to the tributes paid her.

In the afternoon there were cards, conversation and conferences in the clubhouse, and swimming outdoors in the big, blue pool. As the guests left they wished Mrs. Doane and her fellow traveler, Mrs. Percy, a happy trip to the National Auxiliary, which convenes with the American Medical Association at Cleveland

in June. The entire membership looks forward with interest to the report of the convention upon their return.

* * *

Kern County Organized.—It is a real pleasure to announce the formation of a new unit, the Woman's Auxiliary to the Kern County Medical Society. Mrs. N. N. Brown of Bakersfield, widely known and greatly loved, was responsible for bringing together the fifteen charter members who compose this, the eleventh and youngest of our county societies. President Doane and Past President Coulter made the trip to Bakersfield the last of May and properly initiated the new pledges. The Kern County group have already given proof of their worth in a fine, constructive piece of work concerning their county hospital bonds, a detailed report of which will appear, we hope, in a later issue. We welcome you, Kern County, and wish you well.

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Component County Auxiliaries

Contra Costa County.—The May meeting of the Woman's Auxiliary to the Contra Costa County Medical Society was a joint meeting with the medical society in the form of a dinner at the Las Medanas Hotel in Pittsburg. Mesdames Manuel Fernandez, Melvin Stauffer, and C. L. Kerns gave interesting and enlightening reports of the state convention in Riverside. After these Dr. Melvin Stauffer introduced Doctor Tainter of Stanford University, who gave a very instructive and comprehensive treatise on the drug alpha dinitrophenol. HELEN WEIL, *Secretary*.

* * *

Los Angeles County.—At the suggestion of the Public Health League, the Los Angeles County Auxiliary is carrying out two projects which, it is believed, will be of help in contests concerning medical legislation. The first is the division of all the doctors of this county into their assembly districts so that when need arises the informed opinion of the profession on measures vitally affecting public health and welfare can be made known to the elected legislators from these districts. This work is already complete due to the energetic efforts of Mrs. Ferris W. Thompson and her committee. The second project, made more simple because of the listing just done, is the telephoning of every doctor's home and office to urge the registration of each eligible voter there.

The Huntington Park members were hostesses at a delightful tea at the home of Mrs. Owen Moore last month, and at that time the necessity of a clear understanding of the narcotic situation in the state, especially in reference to the Harrison Drug Act, was put forward by Mrs. James F. Percy.

Ever since the busy days of Red Cross work in 1917 a small group, headed by Mrs. Herman Zeiler and Mrs. Philip Stevens, has devoted an afternoon a month in sewing for one of the day nurseries here. Because many of our members are interested, it was agreed to form a sewing unit, limited to them, and to continue this welfare work under the Auxiliary's sponsorship. These informal gatherings are held in the homes and limited to fifteen. If the desire grows, other units are to be formed among friends who enjoy an afternoon of congenial work together and in serving a good cause.

Our president, Mrs. John V. Barrow, reports that the campaign for collecting cod-liver oil samples was surprisingly successful, and that these are being distributed among needy children through the Parent-Teacher Association and, also, that the *Hygeia* subscriptions of our county have now topped the quota for the entire state.

The regular May meeting, the luncheon honoring Mrs. Doane, is reported elsewhere in this issue.

MRS. ELMER BELT, *Corresponding Secretary*.

Orange County.—The Auxiliary to the Orange County Medical Association met Tuesday afternoon, June 5, at the Pacific Coast Club, in Long Beach, as guests of Mesdames D. C. Cowles, Claude Steen, E. J. Steen, and Ray Green of Fullerton and C. G. Curtiss of Brea.

During the business session preceding the program of the afternoon, the following correspondence was read which had to do with subjects of special interest at this particular time. A letter from Mr. Ben Read urged that we, as an organization, see that all doctors of our community and those of their families that are eligible be registered to vote. A letter from our state president was read asking us to coöperate in this matter and suggesting that a committee be formed for this purpose. Mrs. Ray Green, chairman of the Committee on Public Relations, read a letter from Dr. K. H. Sutherland of the County Health Department giving us a report on the poliomyelitis situation in Orange County. In his report Doctor Sutherland included the substance of a recent bulletin from the State Board of Health telling of a prophylactic treatment for poliomyelitis suggested by Dr. William H. Park of the New York City Health Department, an authority on poliomyelitis.

Mrs. D. R. Ball, program chairman, introduced as speaker of the afternoon Dr. Fred B. Clark, chairman of the Committee on Health and Public Instruction of the California State Medical Association. He gave a most interesting and instructive talk on *Compulsory Health Insurance*. Doctor Clark explained the situation which makes necessary some form of health insurance. He told of the Senate committee formed to find a solution for the cost of medical care, which is too high for the great majority. Doctor Clark emphasized the difficulty, and also the importance of keeping the matter out of politics.

On conclusion of the business session and program, the members were entertained during the tea hour by a delightful musical program.

ELIZABETH M. SUTHERLAND, *Secretary*.

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Sacramento County.—The regular meeting of the Woman's Auxiliary to the Sacramento Society for Medical Improvement was held the third Tuesday in May, the 15th. As this was the last meeting of the year, it was largely social and was in the form of a bridge luncheon. A very short business meeting was held, with the president, Mrs. Howard Hall, presiding. Mrs. A. M. Henderson, past state president, Mrs. F. M. Scatena, state treasurer, and Mrs. Junius B. Harris, local delegate, all gave reports of the state convention at Riverside. Luncheon was served at a new tea room about seven miles out of Sacramento, at Sommervilla, where the food is excellent and the garden lovely with flowers. About forty members were present and remained to play bridge afterward.

At the state convention Mrs. Scatena, Mrs. J. B. Harris, and Mrs. J. Ray Jones were elected as state delegates to attend the national convention in Cleveland, June 11 to 15, 1934. At this writing all have left for the convention.

MRS. FRANK P. BRENDL,
Corresponding Secretary.

* * *

San Diego County.—The San Diego branch of the Woman's Auxiliary, in place of the usual luncheon and program, gave, in June, two benefit bridge parties for the fund for the crippled children's pool. These were held on June 5 at 1 p. m. and at 7 p. m. at the home of Mrs. E. H. Crabtree, 3465 Hawk Street. Dessert was served, and games of bridge enjoyed by the large number of guests, the usual door and table prizes given. Mrs. Charles E. Howard and her social committee were in charge. A substantial sum was realized to add to the amount already pledged to the pool.

MRS. J. C. ELLIOT KING,
Publicity Chairman.

NEVADA STATE MEDICAL ASSOCIATION

D. A. SMITH, Mina President
 E. E. HAMER, Carson City President-Elect
 J. N. VAN METER, Las Vegas First Vice-President
 W. H. FROLICH, East Ely Second Vice-President
 HORACE J. BROWN, Reno Secretary-Treasurer

COMPONENT COUNTY MEDICAL SOCIETIES WASHOE COUNTY

The regular monthly meeting of the Washoe County Medical Society was held in the Nevada State Building on June 15.

The preliminary routine business of the society was disposed of, and Dr. Erwin J. Hund was called upon to present his paper. His essay was on *Differential Diagnosis and Coronary Thrombosis and Occlusion*.

In substance, Doctor Hund said: "The sudden intense, prolonged pain is usually present in thrombosis. Contrary to the pain of angina, thrombosis pain comes on during rest rather than after exertion. Thrombosis is facilitated by decreased velocity in the blood stream with lowered pressure. Pathologic changes are present in the vessel walls, likewise changes both chemical and cytological in the blood constituents. The type of pain is often similar to angina, but of greater intensity and greater duration and greater prostration. The pain remains unabated from many hours to many days in contradistinction to the short duration of angina. The pain may be epigastric, similar to the pain of duodenal rupture. In thrombosis there is great shock. There is no condition where shock, if present, is more pronounced. The next symptom observed in thrombosis is the fallen blood pressure. If the case was 250 milligrams of pressure, it may drop to 150 milligrams. It is highly necessary in this instance to make the diagnosis between thrombosis and angina. Dyspnea is one of the outstanding symptoms of thrombosis. The cause of dyspnea is believed to be due to the low velocity with which blood is pumped through the lungs, and the damage is usually to the (right?) side of the heart. In line with thrombosis we may have cyanosis, pulmonary edema, albuminuria, and subcutaneous edema, which assist in establishing the diagnosis. In addition to the above, there are three cardinal findings to corroborate the above diagnosis: They are the heart sounds, remarkable in their feebleness and at times apparently absent. This enfeeblement is due to pericardial involvement with myocardial weakness. In this type of attack, if seen early, fever is always present, but usually of slight degree. The fever results from infarction and necrosis of the thrombus. As fibrosis takes place the fever declines. The physician will find that here it is highly important to have a count made of the leukocytes to determine the increase of the polymorphonuclears. They may run from 10,000 to 25,000, and the average is 15,000. A return to normal count and a lengthening period of complete rest should be insisted upon by the physician before any form of activity is undertaken by the patient.

"The third symptom is shock. For the treatment in the stage of pain, together with heart-block and anoxemia, digitalis and nitroglycerin are not indicated, but rather the hypodermic use of liberal quantities of morphin up to the point of narcosis. Oral administration is worthless. Sometimes the pain is so terrific that the patient feels like tearing himself to pieces. For the shock, heat is par excellent, but be careful to elevate the patient rather than to lower the head. The patient will, himself, insist upon the upright position. If stimulation is to be desired, caffein is the drug of choice, given by hypodermic.

"In the intermediate stage, gastro-intestinal symptoms peculiar to thrombosis, and which is not relieved by vomiting, is the major complaint. For the relief of

this condition, alcohol in its many forms is valuable. Painful eructations is usually relieved by carbonated water."

In conclusion, Doctor Hund suggested that in the future care of the patient nitroglycerin and digitalis were not indicated, but such type of medication as coupled with mental and physical rest that circumstances would indicate.

Doctor Hund's paper was followed by a paper on *Therapy in Heart Conditions* by Dr. George L. Servoss. In a very excellent review of all the standard medications usually given in heart affections, he also outlined the rôle of the newer agents that are coming into popularity today.

THOMAS W. BATH, *Secretary*.

Federal Aid in Mosquito Abatement.—It would appear that there is a possibility for communities in California to carry on, under the Federal Emergency Relief Administration, certain mosquito control activities in connection with the control not only of malaria-carrying mosquitoes but also salt-marsh mosquitoes and other pestiferous mosquitoes. Funds obtained for this purpose can be expended only for labor. Since the principal cost in mosquito control work is that connected with labor, the distribution of funds from this source would care for the chief item of expense in mosquito control work.

Surgeon General H. S. Cumming, of the United States Public Health Service, has requested the director of the California State Department of Public Health to submit an itemized list of possible mosquito control projects in California, together with the estimated cost, for transmission to the Director of Work Relief Projects.

Following is the text of a communication from Hugh R. O'Donnell, Director of Work Relief Projects of the Federal Relief Administration, to the Surgeon General:

"As you probably know, this administration is trying to put as many men to work as possible and is paying them out of funds provided partly by the government and partly by the states.

"We would like to hear from you on this subject and if you can submit any work projects for which no appropriations have been made available we should like to go further into the matter with you."

Mental Symptoms Associated with Cerebral Tumor.—Minski studied the mental symptoms in fifty-eight cases of cerebral tumor and made an attempt to assess their value, if any, in the localization of the tumors. Concurrently with these symptoms, the presence or absence of physical signs was noted with a view to helping in localization. He concludes that mental symptoms in cerebral tumor do not appear to depend on localization, but rather on the rate of growth of the tumor and the previous personality of the patient. Mental symptoms occur more commonly with cerebral tumors (more with left-sided than right-sided ones), as, of the fifty-eight examined, forty-nine were cerebral and only five subtentorial. All the former and only one of the latter showed mental symptoms. In slow-growing tumors personality changes predominate, the mood depending on the release of preformed tendencies. In this series, fourteen of the fifty-eight patients examined were depressive and seven manic. In rapidly growing tumors, changes in the intellectual sphere are marked and personality changes slight, while in the more rapidly growing tumors intellectual disturbances with clouded consciousness are found. In the former group were twenty-three, and in the latter six. Twenty-five patients showed reactions simulating functional psychoses, and in twelve of these physical signs were absent. Physical signs are less common in patients admitted to a hospital caring for the mentally deranged patient than in patients admitted to a neurologic hospital, while aphasia is commoner in patients seen in the former.—*Journal of Neurology and Psychology*.